ADDENDUM NO. 1

Joint Antelope Valley Authority (JAVA)
State Project STPC-5234 (1) Control No. 11215h
JAVA Project 880105
City of Lincoln Project 780105
Specification No. 06-217
P & Q Street Bridges and Roadways Project
July 20, 2006

TO ALL PROSPECTIVE BIDDERS:

Bidders are ins	structed to attach	this Addendum	No. 1 to	the inside	cover of their	contract folder	and
to sign and far	x this page back	to Mary Lowe	e (402-44	1-6576) as	evidence that	the Addendum	ı has
been received.	Failure to do so	may result in re	jection of	the bid.			

Received By:

The Contract Documents and Specifications for the above project is amended as follows:



ADDENDUM NO. 1

1. Refer to the Contract Document - Proposal for Contract Construction Work - Schedule of Items (Bid Tab)

Delete the "Schedule of Items (Bid Form)" in its entirety and replace with the attached "Schedule of Items (Bid Form)". Note the item numbers have changed due to the addition of the new bid items.

Roadway Lighting & Pedestrian Items:

Revise the quantity for Pay Item 33 as follows: Pull Box, Type PB-9, approximate quantity is 10 Each.

Revise the description and quantity for Pay Item 36 as follows: Circuit Ground No. 4, approximate quantity is 839 Lin. Ft.

Revise the description for Pay Item 37 as follows: Circuit Ground No. 8, approximate quantity is 3,014 Lin. Ft.

Revise the description and quantity for Pay Item 38 as follows: Street Light Cable, No. 2 USE in Conduit, approximate quantity is 1,678 Lin. Ft.

Revise the quantity for Pay Item 44 as follows: Lighting Control Center, Type "P", approximate quantity is 1 Each.

Add the following Pay Item No. 45: Conduit Under Roadway, 1 ½" (Jacked), approximate quantity is 73 Lin. Ft.

Add the following Pay Item No. 46: Lighting Unit, Type "8", approximate quantity is 8 Each.

Add the following Pay Item No. 47: Relocate Street Light Pole, Complete (Requires Foundation), approximate quantity is 1 Each.

Signing Items:

The description for pay items 124 through 130 has been revised to delete the word "Install".

Water Main Items:

Revise the quantity for Pay Item 143 as follows: Hydrant, Complete (L=6.5'), approximate quantity is 7 Each.

2. Refer to the Special Provisions - Special Prosecution and Progress - Construction Phasing

Add the following to the fifth paragraph:

The Contractor may elect to use at their option, either orange plastic construction fencing or chain link fencing. The fencing shall be a minimum of 48-inches high. Direct payment shall not be made for temporary fencing and all costs associated with installation, maintenance, and removal of the temporary fencing shall be considered subsidiary to the pay item "Traffic Control".

3. Refer to the Special Provisions – Post Tensioning (for Slab Bridges)

Refer to subsection "Pre-qualification of the Post-tension Manufacturer" page 35 of 68, delete the first sentence of the first paragraph in its entirety and replace with the following sentence:

Use a Post-tension (P/T) Manufacturer having experience in furnishing material and supervising post-tensioning for similar type of bridge structures or post-tensioned concrete box girder bridges in the United States designed and constructed in accordance with AASHTO Specifications.

Refer to subsection "Prestressed End Anchorages", page 38 of 68, add the following sentence to the end of the second paragraph under this subsection:

"Galvanized end anchorages will be permitted as an alternate to the epoxy coated end anchorages on this project."

Refer to subsection "Mixing Grout", page 48 of 68, delete in its entirety and replace with the following:

Mixing Grout. The Contractor's grouting operation plan shall be submitted at least 30 days prior to the first scheduled grouting operation. The Contractor's grouting operation plan shall contain provisions for a QC/QA checklist of items to be certified by the Contractor and Inspector. The mixing procedure shall be as specified by the grout manufacturer.

The grout shall be mixed until a uniformly blended mixture is obtained and shall be continuously agitated until it is introduced into the grout pump. Batches of grout shall be added to the grout to modify its consistency after the initial mixing operation is completed.

4. Refer to the Special Provisions – Roadway Signs, page 61 of 68

Delete the paragraph in its entirety and replace with the following:

ROADWAY SIGNS

The Contractor shall furnish all traffic signs, labor, equipment, materials and incidental items required to install the traffic signs along the roadway at the locations shown on the plans in accordance with the requirements outlined in Chapter 14 of the City of Lincoln Standard Specifications for Municipal Construction and as directed by the Engineer. The Contractor shall be responsible for providing all hardware required to securely mount the signs to the signposts. All bolts and mounting hardware shall be painted to match the color of the signposts. Any damage to the signs resulting from the installation shall be promptly repaired by the Contractor as directed by the Engineer at no additional cost to JAVA or the City of Lincoln.

Payment for furnishing and installing the signs shall be made at the contract unit price bid per each for the items "Sign, ____". Said payment shall be considered full compensation for furnishing and installing all traffic signs, labor, equipment, materials and incidental items (except signposts which are paid for directly) necessary to install the signs along the roadways in accordance with the details shown on the plans, the requirements stipulated in the current MUTCD and as directed by the Engineer.

5. Refer to Plan Sheet 2-T3 – Typical Sections

Refer to the typical section shown for "R" Street, Sta. 79+02.99 to Sta. 80+88.86. The unlabeled leader that is pointing to the top of the pavement section should be labeled as Legend item number "9", Asphaltic Concrete Pavement, Class 1 (6" Base).

6. Refer to Plan Sheet 2-S1 – Summary of Quantities

Under "Roadway and Pedestrian Lighting", revise the quantities for the following pay items:

Pull Box, Type PB-9	10 Each
Conduit Under Roadway, 1 ½" (Trenched)	716 Lin. Ft.
Lighting Control Center, Type "P"	1 Each

Under "Roadway and Pedestrian Lighting", revise the item description and quantities for the following pay items:

Circuit Ground No. 6 USE revise to Circuit Ground No. 4, quantity of 839 Lin. Ft. Street Light Cable, No. 4 USE in Conduit revise to Street Light Cable, No. 2 USE, quantity of 1,678 Lin. Ft.

Under "Roadway and Pedestrian Lighting", add the following pay items and quantities:

Conduit Under Roadway, 1 ½" (Jacked)	73 Lin. Ft.
Lighting Unit, Type "8"	8 Each
Relocate Street Light Pole, Complete (Requires Foundation)	1 Each

7. Refer to Plan Sheet 2-S2 – Summary of Quantities

Under the "Signing", delete the word "Install" from the description of the sign pay items.

8. Refer to Plan Sheet 2-S3 – Summary of Quantities

Under "Water Main", revise the quantity for the following pay item:

Hydrant, Complete (L=6.5')

7 Each

Add the following "Note" below the "Water Main" items:

The quantity for the pay item, Hydrant, Complete (L=6.5') includes the temporary hydrant located at 21st and "O" Street.

9. Refer to Plan Sheet 49 – "P" Street Lighting Sheet E2

Add the following under "Notes" to the plan sheet for clarification:

4. The pay item for removal and relocation of existing Pole EP-1 shall be "Relocate Street Light Pole, Complete (Requires Foundation), 1 Each".

10. Refer to Plan Sheets 48, 49 and 51 – Lighting Sheets

All necessary electrical connections to reconnect existing lighting units to new circuits shall not be paid for directly but shall be considered subsidiary to other items for which direct payment is made.

11. Refer to Plan Sheet 50 – "Q" Street Lighting Sheet E3

Delete Note No. 6 in its entirety and replace with the following Note:

The billing contact for the installation of the new meter shall be J.J. Yost with the City of Lincoln, Parks and Recreation Department. All costs associated with furnishing and installing the electrical meter and pedestal shall be considered subsidiary to the pay item for the lighting control center.

12. Refer to Plan Sheet 92 – Special Plan No. 1, "P" Street Bridge

Add the following Note to the Pile Data Table:

The Pile Order lengths shown in the Pile Data Table are tentative order lengths. The final pile order lengths and final values for the minimum penetration below cut-off shall be based upon results obtained from the test pile driving.

13. Refer to Plan Sheet 94 - Special Plan No. 1, "P" Street Bridge

The minimum requirements for the sheet piling at the abutments and wingwalls as shown on plan sheet number 94 shall be revised to reflect the values shown below:

Abutment Sheet Piles – ASTM A328/A328M

Typical Section Length:

35.0 ft.

Maximum Section Depth:

10.0 inches

Minimum Section Thickness:

0.3125 inches

Minimum Section Modulus

16.2 cu. in./ft.

Wingwall Sheet Piles – ASTM A328/A328M

Typical Section Length:

37.0 ft.

Maximum Section Depth:

12.0 inches

Minimum Section Thickness:

0.375 inches

Minimum Section Modulus

31.5 cu. in./ft.

14. Refer to Plan Sheet 129 – Special Plan No. 2, "O" Street Bridge

Add the following Note to the Pile Data Table:

The Pile Order lengths shown in the Pile Data Table are tentative order lengths. The final pile order lengths and final values for the minimum penetration below cut-off shall be based upon results obtained from the test pile driving.

15. Refer to Plan Sheet 131 – Special Plan No. 2, "O" Street Bridge

The minimum requirements for the sheet piling at the abutments and wingwalls as shown on plan sheet number 131 shall be revised to reflect the values shown below:

Abutment Sheet Piles – ASTM A328/A328M

Typical Section Length:

35.0 ft.

Maximum Section Depth:

10.0 inches

Minimum Section Thickness:

0.3125 inches

Minimum Section Modulus

16.2 cu. in./ft.

Wingwall Sheet Piles – ASTM A328/A328M

Typical Section Length:

37.0 ft.

Maximum Section Depth:

12.0 inches

Minimum Section Thickness:

0.375 inches

Minimum Section Modulus

31.5 cu. in./ft.

16. Refer to Utility Plan Sheets U-15 and U-18:

Flow Data for the existing 36" and 42" diameter Sanitary Sewer lines that will be combined in a new junction structure at the intersection of 21st and R Streets are as follows:

Theoretical projected peak flow for the existing 36" sanitary sewer line at Manhole 519 (located at the intersection of 21st and R Streets) is 21.17 cubic feet per second (cfs).

Theoretical projected peak flow for the existing 42" sanitary sewer line at Manhole 519 (located at the intersection of 21st and R Streets) is 26.77 cubic feet per second (cfs).

17. Refer to City of Lincoln Standard Plans 100 Storm Drainage Inlet, Type A-1

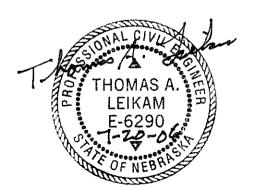
Add the following note to the standard plan:

Steps shall be installed in all curb inlets that have a depth greater then 4'-0" as measured from the top of the curb to the flow line at the inlet. The steps shall be as shown on L.S.P. 162. The vertical spacing for the steps shall be 16" (typical) with a maximum spacing of 32" from the top step to the top of the curb inlet.

18. Refer to City of Lincoln Standard Plans 101 Storm Drainage Inlet, Type A-2

Add the following note to the standard plan:

Steps shall be installed in all curb inlets that have a depth greater then 4'-0" as measured from the top of the curb to the flow line at the inlet. The steps shall be as shown on L.S.P. 162. The vertical spacing for the steps shall be 16" (typical) with a maximum spacing of 32" from the top step to the top of the curb inlet.



City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
			GRADING AND REMOVAL IT	EMS			
01.0100	CITY CHP. 1	1	PAVEMENT AND SIDEWALK REMOVAL	CY	3,813.000		
50.0005	CITY CHP. 1	2	CURB & GUTTER REMOVAL	LF	472.000		
02.0020	CITY CHP. 2	3	TREE REMOVAL (12" TO 23")	EA	18,000		
02.0030	CITY CHP. 2	4	TREE REMOVAL (24" TO 35")	EA	7.000		
02.0040	CITY CHP. 2	5	TREE REMOVAL (36" AND OVER)	EA	8.000		
01.0210	CITY CHP. 1	6	TYPE "A" SAWING	LF	2,515.000		
01.0220	CITY CHP. 1	7	TYPE "C" SAWING	LF	45.000		
02.0100	CITY CHP. 2	8	EARTH EXCAVATION	CY	4,064.000		
50.0010	SPEC. PROV.	9	REMOVAL OF UNSUITABLE MATERIAL	CY	750.000	11.00	8,250.00
02.0010	SPEC. PROV.	10	GENERAL CLEARING & GRUBBING	LS	1.000		
0.2000	SPEC. PROV.	11	CONSTRUCTION STAKING	LS	1.000		
0.4000	SPEC. PROV.	12	MOBILIZATION	LS	1.000		
50.0060	CITY CHP. 15	13	DYNAMIC MESSAGE SIGNS	DAY	100.000	75.00	7,500.00
15.0001	SPEC. PROV.	14	TRAFFIC CONTROL	LS	1.000		
SUBTO	ΓAL GRA	DING	AND REMOVAL ITEMS:				
			CONCRETE PAVEMENT & SUI	RFACING	ITEMS		
01.0140	CITY CHP. 1	15	ASPHALTIC CONCRETE SURFACE COURSE FOR ARTERIAL STREETS	TN	1,648.000		
01.0151	CITY CHP. 1		ASPHALTIC CONCRETE SURFACE COURSE FOR NON-ARTERIAL STREETS	77.1	217.000		
01.0020	CITY CHP. 1	17	ASPHALTIC CONCRETE PAVEMENT CLASS 1 (6" BASE)	TN SY	1,236.000		
01.0170	CITY CHP. 1	18	ADJUST MANHOLE TO GRADE, COMPLETE	EA	4.000		
01.0190	CITY CHP. 1	1	STANDARD MONUMENT BOX (IN PLACE)	EA	4.000		
03.0055	CITY CHP, 3	20	10" PORTLAND CEMENT CONCRETE PAVEMENT W/ INTEGRAL CURB	SY	4,605.000		
50.0040	CITY CHP. 3		10" HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT W/INTEGRAL CURB	SY	129.000		
03.0070	CITY CHP. 3		8" PORTLAND CEMENT CONCRETE PAVEMENT W/INTEGRAL CURB	SY	241,000		
03.0100	CITY CHP. 3		8" PORTLAND CEMENT CONCRETE ALLEY PAVEMENT	SY	144.000		

pec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
CITY CHP. 6	24	COMBINED CURB & GUTTER	LF	1,126.000		T 0.77 (0.000 (1
CITY CHP. 7	25	CONCRETE SIDEWALK, 4" THICK	SF	15,549.000		
CITY CHP. 7	26	CONCRETE DRIVEWAY, 6" THICK	SF	1,634.000		
SPEC. PROV.	27	CONCRETE BIKEWAY, 5" THICK	SF	3,549.000		***************************************
CITY CHP. 10	28	CRUSHED ROCK SURFACING, (IN PLACE)	TN	2,084.000		
SPEC. PROV.	29	TEMPORARY SURFACING	SY	1,006.000		
SPEC. PROV.	30	DETECTABLE WARNING PANELS	SF	394.000		
CITY CHP. 14	31	GROUND SLEEVE	EA	8.000		
L CON	CRET	E PAVEMENT & SURFACING I	TEMS:			
		ROADWAY & PEDESTRIAN LI	GHTING	ITEMS		
CITY CHP. 24	32	REMOVE CONCRETE FOUNDATION	EA	9.000		
CITY CHP. 24	33	PULL BOX, TYPE PB-9	EA	10.000		
CITY CHP. 24	34	CONDUIT IN TRENCH, 1 1/2"	LF	2,132.000		
CITY CHP. 24	35	CONDUIT UNDER ROADWAY, 1 1/2" (TRENCHED)	LF	716,000		
CITY CHP, 24	36	CIRCUIT GROUND NO. 4	LF	839.000		
CITY CHP, 24	37	CIRCUIT GROUND NO. 8	LF	3,014.000		
CITY CHP. 24	38	STREET LIGHT CABLE, NO. 2 USE IN CONDUIT	LF	1,678.000		
CITY CHP. 24		STREET LIGHT CABLE, NO. 6 USE IN CONDUIT	LF	6,028.000		
SPEC. PROV.	40	LIGHTING UNIT, TYPE "1"	EA	8.000		
SPEC. PROV.	41	LIGHTING UNIT, TYPE "6"	EA_	8.000		***************************************
SPEC. PROV.	42	LIGHTING UNIT, TYPE "7"	EA	40.000		
SPEC. PROV. NDOR	1	LIGHTING UNIT, TYPE "13" LIGHTING CONTROL CENTER, TYPE	EA	8.000		
EC 413	44	ub.	EA	1.000		
HP. 24		· 1	LF	73.000		WINNESS CO.
PROV.			EA	8.000		
CITY HP. 24		COMPLETE (REQUIRES	EA	1.000		
SPEC. PROV. CITY HP. 24		46 47	46 LIGHTING UNIT, TYPE "8" RELOCATE STREET LIGHT POLE, COMPLETE (REQUIRES 47 FOUNDATION)	45 (JACKED) LF 46 LIGHTING UNIT, TYPE "8" EA RELOCATE STREET LIGHT POLE, COMPLETE (REQUIRES	45 (JACKED) LF 73.000 46 LIGHTING UNIT, TYPE "8" EA 8.000 RELOCATE STREET LIGHT POLE, COMPLETE (REQUIRES 47 FOUNDATION) EA 1.000	45 (JACKED) LF 73.000 46 LIGHTING UNIT, TYPE "8" EA 8.000 RELOCATE STREET LIGHT POLE, COMPLETE (REQUIRES 47 FOUNDATION) EA 1.000

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
			"P" STREET BRIDGE ITEMS				
50.0015	NDOR SEC 702	48	ABUTMENT NO. I EXCAVATION	LS	1.000		
50.0015	NDOR SEC 702	49	BENT NO. 1 EXCAVATION	LS	1.000		
50.0015	NDOR SEC 702	50	BENT NO. 2 EXCAVATION	LS	1.000		
50.0015	NDOR SEC 702	51	ABUTMENT NO. 2 EXCAVATION	LS	1.000		
50.0010	NDOR SEC 704	52	CLASS 47B-3000 CONCRETE FOR BRIDGES	CY	248.300		and the second s
50.0010	NDOR SEC 706	53	CLASS 47BD-5000 CONCRETE FOR BRIDGES	CY	827.000		
50.0025	NDOR SEC 707	54	EPOXY COATED REINFORCING STEEL	LBS	132,005.000		The state of the s
50.0005	SPEC. PROV.	55	PRECOMPRESSED POLYURETHANE FOAM	LF	117.200		
50.0025	NDOR SEC 708	56	STRUCTURAL STEEL FOR SUBSTRUCTURE	LBS	5,178.000		
50.0045	NDOR SEC 703	57	STEEL SHEET PILING	SF	6,970.000	_	
50.0001	SPEC. PROV.	58	TEST PILE	EA	4.000		
50.0005	NDOR SEC 703	59	HP 10 INCH x 42 LBS STEEL PILING	LF	2,720.000		14.
50.0005	NDOR SEC 703	60	HP 14 INCH X 89 LBS STEEL PILING	LF	1,920.000		
50.0010	NDOR SEC 702	61	GRANULAR BACKFILL	CY	402.800		, crassin
50.0040	NDOR SEC 727	62	SUBSURFACE DRAINAGE MATTING	SY	179.200		
50.0010	NDOR SEC 727	63	CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-4000	CY	208.300		· · · · · · · · · · · · · · · · · · ·
50.0025	NDOR SEC 603	64	EPOXY COATED REINFORCING STEEL FOR PAVEMENT APPROACHES	LBS	22,425.000		
50.0001	NDOR SEC 1068	65	ELASTOMERIC PAD BEARINGS	EA	30.000		
50.0005	SPEC. PROV.	66	ORNAMENTAL METAL RAIL 3'-6"	LF	262.300		
50.0005	SPEC. PROV. SPEC.	. 67	1-1/2" RSC CONDUIT IN BRIDGE	LF	899.000		
50.0005	PROV.	68	4" RSC CONDUIT IN BRIDGE	LF	360.000		
50.0055	PROV.	69	CAST STONE CAPS	CF	60.000		
50.0015	PROV.		POST TENSIONING SYSTEM ET BRIDGE ITEMS:	I.S	1.000		
OD101	. 1 1 2						
I	VDC2 T	T	"Q" STREET BRIDGE ITEMS	ı	1		
0.0015	NDOR SEC 702	71	ABUTMENT NO. 1 EXCAVATION	LS	1.000		
50.0015	NDOR SEC 702 NDOR	72	BENT NO. I EXCAVATION	LS	1.000		
0.0015	SEC 702	73	BENT NO. 2 EXCAVATION	LS	1.000		

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
50.0015	NDOR SEC 702	74	ABUTMENT NO. 2 EXCAVATION	LS	1.000		
50,0010	NDOR SEC 704	75	CLASS 47B-3000 CONCRETE FOR BRIDGES	CY	248.300		
	NDOR		CLASS 47BD-5000 CONCRETE FOR				
50.0010	SEC 706 NDOR	76	BRIDGES EPOXY COATED REINFORCING	CY	827.000		
50.0025	SEC 707 SPEC.	77	STEEL PRECOMPRESSED POLYURETHANE	LBS	132,005.000		
50.0005	PROV. NDOR	78	FOAM STRUCTURAL STEEL FOR	LF	117.200		
50.0025	SEC 708	79	SUBSTRUCTURE	LBS	5,178.000		
50.0045	NDOR SEC 703	80	STEEL SHEET PILING	SF	6,970.000		
50.0001	SPEC. PROV.	81	TEST PILE	EA	4.000		
50.0005	NDOR SEC 703	82	HP 10 INCH x 42 LBS STEEL PILING	LF	3,045.000		
50.0005	NDOR SEC 703	83	HP 14 INCH X 89 LBS STEEL PILING	LF	2,220.000		
50.0010	NDOR SEC 702	84	GRANULAR BACKFILL	СУ	402.800		
50.0040	NDOR SEC 727	85	SUBSURFACE DRAINAGE MATTING	SY	179,200		
50.0010	NDOR SEC 603	86	CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-4000	CY	208.300		1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
50.0025	NDOR SEC 603	87	EPOXY COATED REINFORCING STEEL FOR PAVEMENT APPROACHES	LBS	22,455.000		
50.0001	NDOR SEC 1068	88	ELASTOMERIC PAD BEARINGS	EA	30.000		
50.0005	SPEC. PROV.	89	ORNAMENTAL METAL RAIL 3'-6"	LF	262.300		
50.0005	SPEC. PROV.	90	1-1/2" RSC CONDUIT IN BRIDGE	LF	899.000		
50.0005	SPEC. PROV.	91	4" RSC CONDUIT IN BRIDGE	LF	360.000		
50.0010	SPEC. PROV.	92	CAST STONE CAPS	CF	60,000		
50.0015	SPEC. PROV.	93	POST TENSIONING SYSTEM	LS	1.000		
SUBTOT	ΓAL "Q"	STRE	ET BRIDGE ITEMS:				
			STORM SEWER ITEMS				
21.0010	CITY CHP. 21	94	72" R.C.P. STORM SEWER, CLASS III	LF	1,585.000		
21.0060	CITY CHP. 21	95	42" R.C.P. STORM SEWER, CLASS III	LF	8.000		
21.0070	CITY CHP. 21	96	36" R.C.P. STORM SEWER, CLASS III	LF	14,000		
21.0080	CITY CHP. 21	97	30" R.C.P. STORM SEWER, CLASS III	LF	15.000		
21.0090	CITY CHP. 21	98	24" R.C.P. STORM SEWER, CLASS III	LF	54.000		
21.0095	CITY CHP, 21	99	21" R.C.P. STORM SEWER, CLASS III	LF	8.000		
21.0100	CITY CHP. 21	100	18" R.C.P. STORM SEWER, CLASS III	LF	337.000		

G: N		Item			Approx.	T. I. D.	
City No.	Spec. Ref.	No.	Description	Pay Unit	Quantity	Unit Price	Total Extension
21.0110	CITY CHP. 21	101	15" R.C.P. STORM SEWER, CLASS III	LF	280.000		
50.0005	SPEC PROV	102	6" P.V.C. PIPE (FOR ROOF DRAINS)	LF	60.000		
21.0770	CITY CHP. 21	103	72" STORM SEWER INLET (COMPLETE)	EA	6.000		
21.0780	CITY CHP. 21	104	72" CANTED STORM SEWER INLET (COMPLETE)	EA	8.000		
21.0820	CITY CHP. 21	105	GRATE INLET, TYPE "F-1" (COMPLETE)	EA	4.000		
50.0001	CITY CHP, 21	106	SPECIAL GRATE INLET AT STA. 110+71.08	EA	1.000		
21.0860	CITY CHP. 21	107	STORM SEWER MANHOLE, 72" (COMPLETE)	EA	4.000	,	***************************************
21.0940	CITY CHP. 21	108	CONCRETE FOR COLLARS, ELBOWS, HDWLS & PLUGS (IN PLACE)	CY	7.840		
21.0950	CITY CHP. 21	109	REINF. STEEL FOR COLLARS, ELBOWS & HDWLS (IN PLACE)	LBS	408.000		
21.1050	CITY CHP, 21	110	TAP EXISTING STORM SEWER MANHOLE & REPLACE INVERT	EA	1.000		
21.1070	CITY CHP. 21	111	TAP EXISTING R.C. PIPE	EA	1.000		
21.1260	CITY CHP, 21	112	REMOVE 42" STORM SEWER PIPE	LF	19.000		
21.1270	CITY CHP. 21	113	REMOVE 36" STORM SEWER PIPE	LF	541.000		
21.1300	CITY CHP. 21	114	REMOVE 21" STORM SEWER PIPE	LF	113.000		
21.1310	CITY CHP. 21	115	REMOVE 18" STORM SEWER PIPE	LF	88.000		
21.1320	CITY CHP. 21	116	REMOVE 15" STORM SEWER PIPE	LF	491.000		
21.1325	CITY CHP. 21		REMOVE 12" STORM SEWER PIPE	LF	12.000		
21.1700	CITY CHP. 21	118	REMOVE STORM SEWER MANHOLE (COMPLETE)	EA	1.000		
21.1710	CITY CHP. 21		REMOVE EXISTING INLET (COMPLETE)	EA	19.000		
50.0001	CITY CHP, 21	120	REMOVE AND REPLACE INLET TOP (COMPLETE)	EA	1.000		
SUBTOT	TAL STO	RM SE	WER ITEMS:				
	1		TRAFFIC SIGNAL ITEMS				
24.0810	CITY CHP. 24	121	PULL BOX, TYPE FOR27	EA	8.000		74000
24.0906	CITY CHP, 24	122	CONDUIT, 4 INCH TRENCHED	LF	369.000		
24.1050	CITY CHP. 24	123	TRACER WIRE	LF	1,245.000		
		<u>-</u>	IGNAL ITEMS:		-,		
***************************************			SIGNING ITEMS		<u> </u>		
50.0001	CITY CHP. 14	124	SIGN, STOP (R1-1)	EA	8.000		, , , , , , , , , , , , , , , , , , ,
50.0001	CITY CHP, 14	125	SIGN, SPEED LIMIT (35mph) (R2-1)	EA	4.000		

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
50.0001	CITY CHP. 14	126	SIGN, ONE WAY (R6-1L)	EA	8.000		
50.0001	CITY CHP, 14	127	SIGN, ONE WAY (R6-1R)	EA	8.000		
50.0001	CITY CHP. 14	128	SIGN, NO PARKING ANY TIME (R7-1)	EA	4.000		
50.0001	CITY CHP. 14	129	SIGN, TYPE 3 OBJECT MARKER (OM- 3L)	EA	4.000		787-1-1-1-1
50.0001	CITY CHP. 14	130	SIGN, TYPE 3 OBJECT MARKER (OM- 3R)	EA	4.000		
50.0001	SPEC. PROV.	131	SIGN POST (BREAKAWAY)	EA	8.000		
50.0001	SPEC. PROV.	132	SIGN POST	EA	8.000		
SUBTO	TAL SIG	NING	ITEMS:				
			PAVEMENT MARKING ITEMS				
13.0275	CITY CHP. 13	133	PAINT MARKING, 4" WHITE	LF	4,373.000	***************************************	
13.0270	CITY CHP. 13 CITY	134	PAINT MARKING, 4" YELLOW	LF	188.000		
13.0530	CHP. 13	135	REMOVE PAINT MARKING, 4"	LF	96.000		
SUBTO1	ΓAL PAV	EMEN	IT MARKING ITEMS:				
			WATER MAIN ITEMS				
23.0005	CITY CHP. 23	136	16" WATER MAIN	LF	201.000		***************************************
23.0007	CITY CHP. 23 CITY	137	8" WATER MAIN	LF	1,975.000		
23.0008	CHP. 23		6" WATER MAIN 8" X 8" TAPPING SLEEVE & VALVE,	LF	3.000		
23.0310	CHP. 23		M.J.	EA	1.000		
23.0420	CITY CHP. 23 CITY	140	16" BUTTERFLY VALVE, M.J.	EA	2.000		
23.0450	CHP, 23	141	8" GATE VALVE, M.J.	EA	10.000		
23.0460	CITY CHP. 23	142	6" GATE VALVE, M.J.	EA	6.000		ar an ann an
23.0492	CITY CHP. 23	143	HYDRANT, COMPLETE (L=6.5')	EA	7.000		
23.0500	CHP. 23	144	16" RETAINER GLANDS, M.J.	EA	28,000		
23.0520	CHP. 23	145	8" RETAINER GLANDS, M.J.	EA	55.000		
23.0530	CHP. 23	146	6" RETAINER GLANDS, M.J.	EA	10.000		
23.0537	CHP, 23	147	8" X 90 DEG. BEND, M.J.	EA	2.000		
23.0538	CHP. 23	148	6" X 90 DEG. BEND, M.J.	EA	1.000		
23.0542	CHP. 23	149	16" X 45 DEG. BEND, M.J.	EA	2.000		
23.0545	CHP. 23	150	8" X 45 DEG. BEND, M.J.	EA	6.000		

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
23.0558	CITY CHP. 23	151	16" X 11.25 DEG. BEND, M.J.	ЕА	2.000		
23.0572	CITY CHP. 23 CITY	152	16" X 16" TEE, M.J.	EA	4.000		.
23.0581	CHP. 23	153	8" X 8" TEE, M.J.	EA	1.000		
23.0582	CHP. 23	154	6" X 6" TEE, M.J.	EA	1.000		
23.0583	CHP. 23	155	8" X 6" TEE, M.J.	EA	6.000		
23.0592	CHP. 23	156	6" ANCHORING ELBOW, M.J. 6" ANCHORING COUPLING, M.J.	EA	3.000		·····
23.0594	CHP. 23	157	(L=18")	EA	9.000		TRANSPORT
23.0619	CHP. 23	158	16" X 8" REDUCER, M.J.	EA	4.000		
23.0623	CHP. 23	159	8" X 6" REDUCER, M.J.	EA	1.000		
23.0651	CHP. 23	160	6" SOLID SLEEVE, M.J. (L=18") 8" DUAL PURPOSE SLEEVE, M.J.	EA	2.000		***************************************
23.0653	CHP. 23	161	(L=12") 6" DUAL PURPOSE SLEEVE M.J.	EA	1.000	***************************************	
23.0654	CHP, 23	162	(L=15")	EA	1.000		7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
23.0661	CHP. 23	163	8" PLUG, M.J.	EA	6.000		
23.0662	CHP. 23		6" PLUG, M.J. CONC. FOR THRUST BLKS. &	EA	2.000		······································
23.0665	CHP. 23		ANCHORAGES (IN PLACE) REINF, STL. FOR THRUST BŁKS. &	CY	11.880		
23.0670	CHP. 23	166	ANCHORAGES	LBS	333.000		
23.0920	CHP. 23	167	REMOVE 16" WATER MAIN	LF	440.000		
23.0940	CHP. 23	168	REMOVE 8" WATER MAIN	LF	50.000		
23.0950	CHP. 23 CITY		REMOVE 6" WATER MAIN REMOVE & SALVAGE HYDRANT	LF	440.000		
23.0960	CHP. 23		(COMPLETE)	EA	3.000		
50.0001	CHP. 23		REMOVE & SALVAGE 6" X 6" TEE	EA	1.000		
50.0001	CHP, 23	172	16" DUAL PURPOSE SLEEVE, M.J. (L=15")	EA	3.000		
50.0001	CHP. 23	173	16" DUAL PURPOSE RETAINER GLANDS, M.J.	EA	6.000		
50.0001	CITY CHP. 23	174	8" DUAL PURPOSE RETAINER GLANDS, M.J.	EA	2.000		-
50.0001	CITY CHP. 23		6" DUAL PURPOSE RETAINER GLANDS, M.J.	EA	2.000		
50.0005	SPEC 02619	176	16" H.D.P.E. WATER MAIN	LF	286.000		· · · · · · · · · · · · · · · · · · ·
50.0001	SPEC 02619	177	16" X 16" H.D.P.E. REDUCER, M.J.	EA	2.000		
50.0001	SPEC 02619	178	16" H.D.P.E. ANCHOR	EA	2.000		

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
50.0015	SPEC. PROV.	179	DISINFECTION & PRESSURE TESTING OF WATER MAIN	LS	1.000		
50.0001	CITY CHP. 23	180	REMOVE THRUST BLOCK	EA	2.000		
SUBTO	TAL WA	TER M	IAIN ITEMS:				
			SANITARY SEWER ITEMS				
22.0080	CITY CHP. 22	181	8" SANITARY SEWER PIPE	LF	1,607.000		
22.0030	CITY CHP. 22	182	21" P.V.C. SANITARY SEWER PIPE	LF	239.000		
50.0005	CITY CHP. 22	183	30" P.V.C. SANITARY SEWER PIPE	LF	239.000		
50.0005	CITY CHP. 22	184	36" P.V.C. SANITARY SEWER PIPE	LF	239.000		
50.0005	CITY CHP. 22	185	36" SANITARY SEWER PIPE	LF	65.000		
22.0005	CITY CHP. 22	186	48" SANITARY SEWER PIPE	LF	327.000		
50.0005	CITY CHP. 20	187	16" SMTH. STEEL CS, 0.281" TH., B.LP.	LF	76.000		
22.0620	CITY CHP. 22	188	STANDARD MANHOLE, TYPE "G"	EA	1.000		
22.0630	CITY CHP. 22	189	STANDARD MANHOLE, TYPE "G"	VF	13.100		
22.0640	CITY CHP. 22	190	STANDARD MANHOLE, TYPE "H"	EA	1.000		
22.0650	CITY CHP. 22	191	STANDARD MANHOLE, TYPE "H"	VF	17.900		
22.0700	CITY CHP. 22	192	STANDARD MANHOLE, TYPE "S"	EA	3.000		····
22.0710	CITY CHP. 22	193	STANDARD MANHOLE, TYPE "S"	VF	33.400		
22.0720	CITY CHP. 22	194	STANDARD MANHOLE, TYPE "R"	EA	3.000		
22.0730	CITY CHP. 22	***************************************	STANDARD MANHOLE, TYPE "R"	VF	31.600		
22.0760	CITY CHP. 22		TAP EXISTING MANHOLE & RECONSTRUCT INVERT	EA	1.000		
22.0780	CITY CHP. 22	197	REMOVE SANITARY SEWER MANHOLE (COMPLETE)	EA	3.000		
22.0790	CITY CHP, 22	198	FILL AND ABANDON EXISTING MANHOLE (COMPLETE)	EA	2.000		
50.0005	CITY CHP. 22	199	REMOVE 42" SANITARY SEWER PIPE	LF	234.000		
50.0005	CITY CHP. 22	200	REMOVE 36" SANITARY SEWER PIPE	LF	270.000		Western Commission
50.0005	CITY CHP, 22	201	REMOVE 8" SANITARY SEWER PIPE	LF	20.000		
50.0001	SPEC. PROV.	202	JUNCTION STRUCTURE	EA	1.000		
50.0001	SPEC. PROV.	203	DIVERSION STRUCTURE	EA	1.000		
50.0001	SPEC. PROV.	204	SIPHON INLET STRUCTURE	EA	1.000		

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
50.0001	SPEC. PROV.	205	SIPHON OUTLET STRUCTURE	EA	1.000		
50.0001	SPEC. PROV.	206	CAST-IN-PLACE MANHOLE	EA	1.000		
SUBTO'	TAL SAN	ITAR	Y SEWER ITEMS:				
			MISCELLANEOUS ITEMS				
01.0200	CITY CHP. 1	207	STANDARD DEAD END BARRICADE, TYPE III (IN PLACE)	EA	12.000		
50.0005	SPEC. PROV.	208	CONCRETE PROTECTION BARRIER	LF	1,475.000		
50.0005	SPEC. PROV.	209	RESET CONCRETE PROTECTION BARRIER	LF	1,475.000		
50.0045	SPEC, PROV.	210	POLYMERIZED CEMENTITIOUS COATING	SF	4,520.000		
50.0001	SPEC. PROV.	211	FIBERGLASS BANNER ARMS	EA	16.000		
50.0015	SPEC. PROV.	212	TEMPORARY SHORING AT STA. 1313+59.00	LS	1.000		
50.0015	SPEC. PROV.	213	TEMPORARY SHORING AT STA. 1316+44.00	LS	1.000		
50.0015	SPEC. PROV.	214	TEMPORARY SHORING AT STA, 1317+61.00	LS	1.000	TO A PANALON A	
50.0015	SPEC. PROV.	215	TEMPORARY SHORING AT STA, 1417+25.00	LS	1,000		
50.0015	SPEC, PROV.	216	TEMPORARY SHORING AT STA. 1417+40.00	LS	1.000		
50.0015	SPEC. PROV.	217	TEMPORARY SHORING AT STA. 1420+60.00	LS	1.000		
50.0015	SPEC. PROV.	218	TEMPORARY SHORING AT STA. 1421+24.00	LS	1.000		
50.0015	SPEC. PROV.	219	TEMPORARY SHORING AT STA. 501+00.00	LS	1.000		
0.00015	SPEC, PROV.	220	TEMPORARY SHORING AT STA. 100+28.26	LS	1.000		
UВТО Т	AL MISO	CELLA	ANEOUS ITEMS:	-			
			LANDSCAPING ITEMS		<u> </u>		
1000.00	CITY CHP. 31	221	BLACK KNIGHT BUDDELIA	EA	2.000		THE STATE OF THE S
0.0001	CITY CHP. 31	222	CAROL MACKI DAPHNE	EA	2.000		
0.0001	CITY CHP. 31		HALLS HONEYSUCKLE	EA	2.000		
0.0001	CITY CHP. 31		DWARF SNOWFLAKE MOCKORANGE	EA	4.000		
0.0001	CITY CHP, 31 CITY	225	GRO-LOW SUMAC	EA	8.000		
0.0001	CHP. 31	226	SWEET AUTUMN CLEMATIS	EA	2.000		
J BTOT .	AL LANI	DSCAF	PING ITEMS:				

City No.	Spec. Ref.	Item No.	Description	Pay Unit	Approx. Quantity	Unit Price	Total Extension
			EROSION CONTROL ITEMS				
	PROV. &						
30.0010	CITY CHP. 30	227	SODDING, COMPLETE	SF	30,975,000		
	CITY			51	30,773.000		
02.0120	CHP. 2	228	PARKING SPACE FINISH	SY	14,735.000		
50.0020	CITY CHP. 30	229	COVER CROP SEEDING	AC	7.280		
30.0090	CITY CHP. 30	230	SEEDING, TYPE 'D'	AC	7.280		
50.0040	SPEC. PROV.	231	EROSION CONTROL, TYPE 'B'	SY	11,291.000		
50.0040	SPEC. PROV.	232	EROSION CONTROL, TYPE 'HV'	SY	1,926.000		
32.0040	CITY CHP, 32	233	SYNTHETIC FABRIC SILT FENCE INSTALLATION	LF	761,000		
32.0050	CITY CHP, 32	234	SYNTHETIC FABRIC SILT FENCE MAINTENANCE	LF	1,522.000		TO THE STATE OF TH
32.0060	CITY CHP. 32	235	SYNTHETIC FABRIC SILT FENCE REMOVAL	LF	761.000		
32.0070	CITY CHP. 32	236	INSTALL STORM DRAIN INLET PROTECTION	EA	29.000		
32.0080	CITY CHP. 32	237	STORM DRAIN INLET PROTECTION MAINTENANCE	EA	58.000		
32.0090	CITY CHP. 32	238	REMOVE STORM DRAIN INLET PROTECTION	EA	29.000		
SUBTOT	TAL ERO	SION	CONTROL ITEMS:				
ALLTEL ITEMS							
50.0001	SPEC. PROV.	239	TYPE I TELEPHONE MANHOLE	EA	2.000		
50.0001	SPEC. PROV.	240	TYPE II TELEPHONE MANHOLE	EA	1.000		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
50.0005	SPEC. PROV.	241	TELEPHONE DUCT BANK	LF	532.000		
UBTOT	'AL ALL'	rel 11	TEMS:				**************************************
OTAL 1	BID:						